## PURAFIL ENVIRONMENTAL CORROSIVITY REPORT

10-Jun-2010

**Company:** 111018

Room Area ID: Reference #:



 Sales Order #:
 C002697

 CCC Panel #:
 P67977

 Date In:
 20-May-2010

 Date Out:
 04-Jun-2010

Days In Service: 15

**CCC Panel # P67977** 

ISA Class G1 Mild

Copper Corrosion 115 Å/30 Days

Silver Corrosion 226 Å/30 Days

(see next page for complete analysis)

## Summary for PURAFIL CCC # P67977

The electrolytic reduction analysis on Corrosion Classification Coupon #P67977 shows the presence of only very low concentrations of contaminants in the environment tested. The hydrogen sulfide level is not expected to exceed 3 ppb and the sulfur dioxide level should be less than 10 ppb. Corrosion is not a factor in determining equipment reliability in this environment.

Your local representative for additional information and assistance is:

Environmental Health and Eng

117 Fourth Avenue, Needham MA 02494, USA

tminegishi@eheinc.com

Purafil, Inc. / 2654 Weaver Way, Doraville GA 30340 USA / (770) 662-8545 / (770) 263-6922 Email: purafil@purafil.com / Internet: http://www.purafil.com

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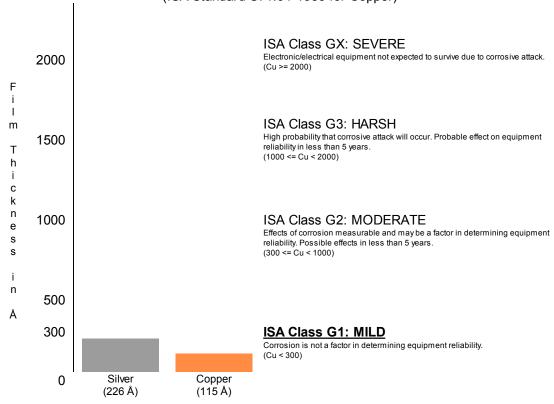
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## PURAFIL CCC # P67977 Analysis Results

Corrosion Film Composition Projections				Gold Coupon - Magnified 20x
	<u>30 Days</u>	1 Year	5 Year	wagiiiieu zux
Copper Films Cu <sub>2</sub> S	0 Å	0 Å	0 Å	
Cu <sub>2</sub> O	115 Å	156 Å	204 Å	
Unknowns	0 Å	0 Å	0 Å	
Totals	115 Å	156 Å	204 Å	
Silver Films		- 8	- 4	
AgCl	0 Å	0 Å	0 Å	
Ag <sub>2</sub> S	140 Å	1708 Å	8541 Å	
Unknowns	86 Å	1046 Å	5228 Å	
Totals	226 Å	2754 Å	13769 Å	
Gold Pore Corrosion: Note: 1000 Å = 0.1 micron				

## **Equipment Reliability Correlation**

(ISA Standard S71.04-1985 for Copper)



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